

Application No.: 10/534,010

2

Docket No.: 59564(71699)

What is claimed is:

1. (Currently Amended) A method of killing a tumor cell comprising contacting the cell with at least one small inhibitory RNA (siRNA), wherein the siRNA is encoded by a nucleic acid molecule that is at least 85% 95% identical to SEQ ID NO: 4, ~~or a portion thereof, specific for a DNA repair protein~~ and at least one DNA-damaging agent, wherein the siRNA and the at least one DNA damaging agent kill a tumor cell.

2. (Currently Amended) The method of claim 1, wherein the siRNA encoded by the nucleic acid molecule ~~DNA repair protein~~ is specific for the DNA repair protein ATM.

3. (Previously Presented) The method of claim 1, wherein the siRNA is encoded by SEQ ID NO: 4.

4 - 22. (Canceled)

23. (Original) A method of treating a subject having cancer comprising administering to the subject a therapeutically effective amount of at least one small inhibitory RNA (siRNA) specific for a DNA repair protein and a therapeutically effective amount of at least one DNA-damaging agent.

24. (Previously Presented) The method of claim 23, wherein the DNA repair protein is ATM.

25 - 51. (Canceled)

52. (New) A method of killing a tumor cell comprising contacting the cell with at least one small inhibitory RNA (siRNA), wherein the siRNA is encoded by SEQ ID NO: 4, and at least one DNA-damaging agent, wherein the siRNA and the at least one DNA damaging agent kill a tumor cell.

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